ANTI-TERRORISM / FORCE PROTECTION COMPLIANCE SUMMARY

PER REQUIREMENTS OF UFC 4-010-01
Applicable UFC Date "9 February 2012 Change 1, 1 October 2013.

FACILITY CATEGORY INFORMATION

CONSTRUCTION:	REINFORCED CONCRETE BEARING WALLS
PERIMETER:	CONTROLLED
BUILDING CATEGORY:	PRIMARY GATHERING (FIELD HOUSE-LOW OCCUPANCY)
EXPLOSIVE WEIGHT:	WEIGHT II

STANDARD 1. STANDOFF DISTANCES
TABLE B-1, TABLE B-2, FIG. B-1, TABLE 2-3

- REINF CONC LOAD BRG WALLS: 16' - 0" MIN, 66' - 0" PROVIDED EXCEPT AT SOUTHWEST CORNER: 40'-0"; INS CONC FORM WALLS ARE PROVIDED TYPICALLY AS INDICATED ON STR DWGS WINDOWS AND DOOR OPENINGS: 66' - 0" MIN TYP FRAME & SUPPORT FRAMES WILL BE PROVIDED W/ REQD REINF; THE ADDITIONAL STAND OFF DISTANCE IS PROVIDED TO REDUCE THE REQUIRED REINFORCEMENT IN THE WINDOW FRAMING SYSTEM AND GLAZING.
- PARKING & ROADWAYS IN CONTROLLED PERIMETER - MIN 66' - 0" FROM P.O.V. PARKING & ROADWAY AREAS TO FACE OF BLDG
- DESIGN: NO TRASH CONTAINERS OR TRANSFORMERS ARE LOCATED W/IN 66' - 0" OF NEW FACILITY. REFER TO SITE PLAN FOR LOCATIONS

STANDARD 2. UNOBSTRUCTED SPACE
B-1.2

- ENSURE THAT OBSTRUCTIONS W/IN 66' - 0" OF INHABITED BLDG'S, OR PORTIONS THEREOF, DO NOT ALLOW FOR CONCEALMENT FROM OBSERVATION OF EXPLOSIVE DEVICES 6 INCHES OR GREATER IN HEIGHT
- THE STAND OFF DISTANCE IS SET GREATER THAN THE CONVENTIONAL CONSTRUCTION STAND OFF DUE TO WINDOW PERFORMANCE CRITERIA, THEREFORE THE UNOBSTRUCTED SPACE DISTANCE IS SET AT 66'-0"
- DESIGN: NO OBSTRUCTIONS W/IN 66' - 0" OF THE BLDG, EXCEPT UTILITY YARD. THE UTILITY YARD IS SURROUNDED BY OPEN CHAIN LINK FENCING TO 8' HIGH . LOW SEAT WALLS WILL BE PERPENDICULAR TO FACE OF BLDG & PLANTINGS ARE SPECIFIED TO BE LOWER THAN 6" HIGH.REFER TO LANDSCAPE DWGS

STANDARD 3. DRIVE-UP/DROP-OFF AREAS
B-1.3

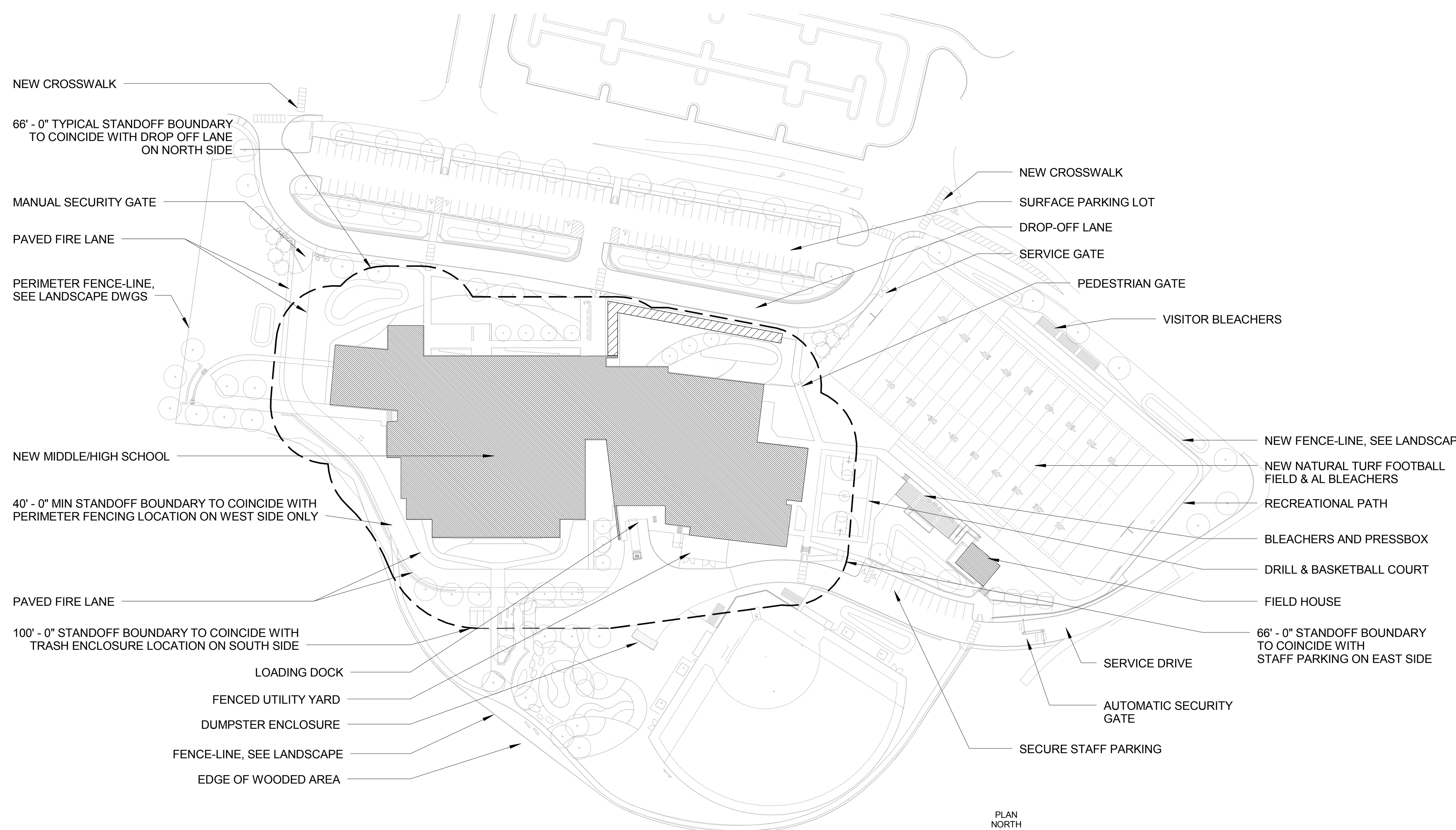
- PERMITTED WITHIN STANDOFF AREAS MEETING THESE CRITERIA: NO UNATTENDED VEHICLES ARE PERMITTED IN THESE AREAS. CANNOT BE LOCATED UNDER ANY INHABITED PORTION OF A BUILDING
- DESIGN: PUBLIC DROP-OFF LANES & PARKING ARE LOCATED OUTSIDE OF THE STANDOFF DISTANCE; A SERVICE DRIVE & STAFF PARKING IS ACCESSIBLE ONLY THROUGH A SECURE AUTOMATIC SECUIRTY GATE AS SHOWN ON THE SITE PLAN. REFER TO SHEET A004 AND L100.

STANDARD 4. ACCESS ROADS
B-1.4

- REQUIRES CONTROLLED ACCESS TO ACCESS ROADS PROVIDED FOR FIRE VEHICLES & THE LIKE
- DESIGN: IN ADDITION TO THE SECURE SERVICE DRIVE, THERE IS ONE FIRE DEPARTMENT ACCESS LANE. THE FIRE LANE IS CONTROLLED AT THE DROP OFF ZONE W/ A SECURITY GATE THAT IS LOCKED WITH A KNOX BOX LOCK & IS ACCESSIBLE FOR EMERGENCY VEHICLES ONLY; REFER TO SHEET A004, L100, L101, AND L102

STANDARD 5. PARKING BENEATH BLDG'S OR ON ROOFTOPS
B-1.5

- ELIMINATE PARKING BENEATH INHABITED BLDG'S OR ON ROOFTOPS OF INHABITED BLDG'S
- DESIGN: DOES NOT APPLY - THIS PROJECT ONLY INCORPORATES SURFACE PARKING THAT IS SEPARATE FROM ALL INHABITED BLDG'S; REFER TO SHEET A004.



1 ATFP Compliance Plan
SCALE: 1" = 100'-0"

STANDARD 6. PROGRESSIVE COLLAPSE RESISTANCE
B-2.1

- APPLIES TO BLDG'S OF THREE OR MORE STORIES ONLY
- DESIGN: DOES NOT APPLY - BUILDING IS TWO STORIES. REFER TO SHEET A201.

STANDARD 7. STRUCTURAL ISOLATION
B-2.2

- APPLIES TO ADDITIONS OF EXIST BLDG'S
- DESIGN: DOES NOT APPLY - THIS PROJECT IS A NEW STAND-ALONE BLDG; REFER TO SHEET A004.

STANDARD 8. BLDG OVERHANGS
B-2.2.3

- AVOID BLDG OVERHANGS W/ INHABITED SPACES ABOVE THEM
- DESIGN: DOES NOT APPLY - THIS PROJECT DOES NOT INCORPORATE ANY OVERHANGS W/ INHABITED SPACES ABOVE; REFER TO BUILDING SECTIONS A301, A302, A303, AND A304

STANDARD 9. EXT MAS WALLS

- APPLIES TO EXT MAS WALLS
- DESIGN: THIS PROJECT UTILIZES REINF CONC BRG WALL CONSTR W/ BRK VENEER; THE CONC WALLS HAVE BEEN DESIGNED TO MEET THE PROVISIONS OF STANDARD 9

STANDARD 10. WINDOWS & SKYLIGHTS W/ LAMINATED GL
TABLE B-3.1

- APPLICABLE LEVEL OF PROTECTION - LOW, EXPLOSIVE WEIGHT II
- DESIGN: WINDOWS & DOOR LITES: INS GL UNITS W/ LAMINATED GL INNER LAYER. CW FRAMING: 6" DEEP MULL'S W/ STL REINF STL SUPP PL'S PROVIDED @ ALL OPNGS; REFER TO DESIGN REPORT APPENDIX FOR BLAST CALCULATIONS AND TEST REPORTS. SPECS REQUIRES DELEGATED DESIGN ENGINEER TO MEET PROVISIONS OF STANDARD 10; REFER TO 084113 AND 084400.

STANDARD 11. BLDG ENTRANCE LAYOUT
B-3.2.1

- ENSURE THAT THE MAIN ENTRANCE TO THE BLDG DOES NOT FACE AN INSTALLATION PERIMETER OR OTHER UNCONTROLLED VANTAGE POINT W/ DIRECT LINES OF SIGHT TO THE ENTRANCE, OR PROVIDE MEANS TO BLOCK THE LINES OF SIGHT.
- DESIGN: MAIN ENTRANCE TO THE BLDG FACES AWAY FROM THE CONTROLLED PERIMETER OF THE BASE; NEAREST PERIMETER OF THE BASE IS APPROXIMATELY 2,300 FT AWAY FROM MAIN BLDG ENTRANCE

STANDARD 12. EXT DR'S
B-3.3.1, B-3.3.2, and B-3.3.4

- PROVIDE UNGLAZED AND GLAZED DOORS THAT ARE TESTED TO ACHIEVE THE APPLICABLE DAMAGE LEVEL CATEGORY; INNER DOORS OF VESTIBULES MUST MEET SAME TESTING CRITERIA.
- DESIGN: ALL EXT DR'S HAVE REQUIRED FASTENERS AND ANCHORAGES PER TESTING REQUIREMENTS. ALL INTERIOR VESTIBULE DOORS AND WALLS ARE SPECIFIED AND DETAILED TO THE SAME STANDARD AS EXTERIOR DOORS. SPECIFICATIONS REQUIRE DELEGATED DESIGN ENGINEER TO MEET THE PROVISIONS OF STANDARD 12; REFER TO 08113 AND 081116.

STANDARD 13. MAIL ROOMS & LOADING DOCKS
B-3.4

- LOCATE LOADING DOCKS ON PERIMETER OF BLDG REMOTE FROM HEAVILY INHABITATED AREAS
- DESIGN: PROJECT LOCATES LOADING DOCK IN PROXIMITY TO BACK-OF-HOUSE SERVICE FUNCTIONS OF THE BLDG; THIS AREA IS REMOTE FROM MOST INHABITED AREAS; REFER TO SHEET A101.

STANDARD 14. ROOF ACCESS
B-3.5.1

- FOR NEW BLDG'S, ELIMINATE EXTERNAL ROOF ACCESS.
- DESIGN: ROOF ACCESS IS PROVIDED ONLY THROUGH SECURE SERVICE LADDERS / STAIRS @ INT OF BLDG, REFER TO A103.

STANDARD 15. OVHD MTD ARCH FEATURES
B-3.6

- OVERHEAD FEATURES WEIGHING 31 LBS. OR MORE - MTD SO THAT THEY RESIST 0.5 TIMES THE COMPONENT WEIGHT IN ANY HORIZ DIRECTION & 1.5 TIMES THE COMPONENT WEIGHT IN THE DOWNWARD DIRECTION.
- DESIGN: OVHD EQUIP ATTACHED TO STR WILL BE ENGINEERED ON A CASE-BY-CASE BASIS & WILL MEET MIN REQM OF THIS STANDARD. REQM WILL BE INDICATED IN THE INDIVIDUAL SPEC SECTIONS &/OR DTL'S FOR THE VARIOUS ITEMS. SOME ITEMS MAY BE NOTED AS 'DELEGATED DESIGN' ELEMENTS & REQM FOR MEETING THIS STANDARD WILL BE THE RESPONSIBILTY OF THE CONTRACTOR &/OR SELECTED MFR OF THE INDIVIDUAL PIECE OF EQUIP.

STANDARD 16. AIR INTAKES
B-4.1.1

- @ LEAST 3 METERS (10' - 0") ABV THE GROUND
- DESIGN: AIR INTAKES ARE 10' - 0" ABV GRADE BY GENERAL PRACTICE DUE TO THIS BEING A STANDARD REQM, AS INDICATED BY L-1 SERVING OA-1 ON SHEET M303 (2ND FLR EXT WALL), ILP-2 ON ROOF SERVING OA-2 ON SHEET MH130, & MAKE-UP AIR UNIT SERVING KITCHEN ON KITCHEN ROOF

STANDARD 17. MAIL ROOM & LOADING DOCK VENTILATION
B-4.2

- DEDICATED AIR VENTILATION & EXHAUST SYSTEMS FOR LOADING DOCKS, OUTSIDE AIR INTAKES/EXHAUST, ISOLATION CONTROLS, WALL AND CEILING JOINTS
- DESIGN: INSPECTION & RECEIVING ROOM IS SERVED BY DEDICATED ROOF MTD EF-5 SHOWN ON SHEET MH130, SEE MECH CONTROL AND AIR DISTRIBUTION DRAWINGS; WALL AND CEILING JOINT REQUIREMENTS ARE SHOWN ON A116.

STANDARD 18. EMERGENCY AIR DISTRIBUTION SHUTOFF
B-4.3

- PROVIDE EMERGENCY SHUTOFF SWITCH IN HVAC CONTROL SYS
- DESIGN: EMERGENCY VENTILATION SHUT-OFF SWITCHES WILL BE SHOWN ON THE MECH PIPING SHEETS. THE FIRE ALARM DWG'S & SPECS INDICATE MASS NOTIFICATION LOC'S (LOCAL OPERATING CONSOLES). @ EA LOC WE PROVIDED FOR AN HVAC EMERGENCY AIR DISTRIBUTION SHUT-OFF SWITCH. WHEN ANY OF THESE SWITCHES ARE ACTIVATED, A SIGNAL IS SENT TO THE BMS SYS, WHICH IN TURN SHUTS DN THE AIR THROUGHOUT THE ENTIRE BLDG. REFER TO FA112.

STANDARD 19. EQUIP BRACING
B-4.4

- OVHD UTILITIES & FXTR'S WEIGHING 31 LBS. OR MORE - MTD SO THAT THEY RESIST 0.5 TIMES THE COMPONENT WEIGHT IN ANY HORIZ DIRECTION & 1.5 TIMES THE COMPONENT WEIGHT IN THE DOWNWARD DIRECTION.
- DESIGN: OVHD EQUIP ATTACHED TO THE STR WILL BE ENGINEERED ON A CASE-BY-CASE BASIS & WILL MEET THE MIN REQM OF THIS STANDARD. REQM WILL BE INDICATED IN THE INDIVIDUAL SPEC SECTIONS &/OR DTL'S FOR THE VARIOUS ITEMS. SOME ITEMS MAY BE NOTED AS 'DELEGATED DESIGN' ELEMENTS & REQM FOR MEETING THIS STANDARD WILL BE THE RESPONSIBILITY OF THE CONTRACTOR &/OR SELECTED MFR OF THE INDIVIDUAL PIECE OF EQUIP

STANDARD 20. UNDER BLDG ACCESS
B-4.5

- ENSURE THAT ACCESS TO CRAWLSPACES IS CONTROLLED & SECURE
- DESIGN: DOES NOT APPLY - PROJECT DOES NOT INCORPORATE ANY UNDER-BLDG CRAWL SPACES

STANDARD 21. MASS NOTIFICATION
B-4.6

- PROVIDE CAPABILITY FOR REAL-TIME INFO TO OCCUPANTS OR PERSONNEL IN THE IMMEDIATE VICINITY DURING EMERGENCY SITUATION
- DESIGN: A MASS NOTIFICATION SYS (MNS) WILL BE PROVIDED IN ACCORDANCE W/ REQM FOR FOR NEW BLDG'S IN UFC 4-010-01 ANTI-TERRORISM FORCE PROTECTION. THE SYS WILL BE DESIGNED IN ACCORDANCE W/ UFC 4-021-01 & NFPA 72, & WILL PROVIDE CAPABILITY FOR REAL-TIME INFO TO BLDG OCCUPANTS OR PERSONNEL IN THE IMMEDIATE VICINITY OF THE BLDG DURING EMERGENCY SITUATIONS.
- PER UFC 4-021-01 & QUANTICO QF & ES FIRE PROTECTION REQM, THE MASS NOTIFICATION SYS SHARES THE SPEAKERS & STROBES W/ THE FIRE ALARM SYS. THE MNS AUTONOMOUS CONTROL UNIT (ACU) & FIRE ALARM CONTROL PNL (FACP) WILL BE A SINGLE UNIT THAT PERFORMS BOTH FUNCTIONS.
- PER DoDEA'S DIRECTIONS, THE MNS SYS IS DESIGNED AS FOLLOWS: THE FACP/ACU PNL WILL BE CAPABLE OF ACCEPTING AN EXT RS232 / LINE LEVEL AUDIO FROM THE BASE SPACE & NAVAL WARFARE SYS COMMAND (SPAWAR) TRANSCEIVER UNIT. IN AN EMERGENCY EVENT THAT REQUIRES MASS NOTIFICATION FROM OUTSIDE THE BLDG (THE BASE-WIDE MNS VIA SPAWAR), THE SPEAKERS IN THE ADMIN AREAS WILL BROADCAST THE SIGNAL ORIGINATING FROM THE SPAWAR SYS. SUBSEQUENTLY, A DIFFERENT MESSAGE OR LIVE VOICE WILL BE BROADCAST THROUGH THE SPEAKERS IN THE CLASSROOMS & OTHER AREAS OF THE BLDG, DIRECTING THE OCCUPANTS FOR APPROPRIATE ACTIONS. THE MNS WILL HAVE EIGHT PRE-RECORDED MESSAGES & WILL ALSO HAVE LIVE VOICE CAPABILITY VIA LOCAL OPERATING CONSOLES (LOC'S).

SYM | DESCRIPTION | DATE | APPR

NAVFAC

SEAL

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE

Designer: DM Author: DM Checker: KF
PM/DM
BRANCH MANAGER
CHIEF ENG/ ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON
DoDEA
MARINE CORPS BASE QUANTICO, VIRGINIA
MARINE CORPS BASE QUANTICO
QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
ATFP COMPLIANCE PLAN

SCALE: 1" = 100'-0"
PROJECT NO.: P-021
CONSTR. CONTR. NO. W91236-15-C-0023
NAVFAC DRAWING NO. 13090762
SHEET 8 OF 789
G006

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